

<110> Feldmann, Richard J.; Global Determinants, Inc.
 <120> Symmetry in Connectron
 <130> Jim Zegeer Law Offices - 703-684-8333
 <141> 19 March 2004
 <150> US 60/393,558 and US 09/866,925



<160> 29
 <170> Proprietary

<210> 1
 <211> 217
 <212> DNA
 <213> Saccharomyces cerevisiae complete genome.

<220>
 <222> (12572)...(12788)
 <223> Chromosome = 1 Strand = positive ConnectronObjectNumber = 36

<400>	1						
gcactggtaa	caggtggtaa	tgaagaagta	atttcctgac	ttgttggtgt	actggtaaca		60
ggtggtaaatg	atgaagtaat	ttcctgactt	gttggtgtac	tggtaacagg	tggtaatgaa		120
gaagtaattt	cctgacttgt	tggtgcactg	gtaacagggtg	gtaatgatga	agtaatttcc		180
tgacttggtg	ttgtactggt	aacagggtggt	aatgatg				217

<210> 2
 <211> 236
 <212> DNA
 <213> Saccharomyces cerevisiae complete genome.

<220>
 <222> (12572)...(12807)
 <223> Chromosome = 1 Strand = positive ConnectronObjectNumber = 39

<400>	2						
gcactggtaa	caggtggtaa	tgaagaagta	atttcctgac	ttgttggtgt	actggtaaca		60
ggtggtaaatg	atgaagtaat	ttcctgactt	gttggtgtac	tggtaacagg	tggtaatgaa		120
gaagtaattt	cctgacttgt	tggtgcactg	gtaacagggtg	gtaatgatga	agtaatttcc		180
tgacttggtg	ttgtactggt	aacagggtggt	aatgatgaag	cagtttcctg	gcttgt		236

<210> 3
 <211> 166
 <212> DNA
 <213> Saccharomyces cerevisiae complete genome.

<220>
 <222> (24863)...(25028)
 <223> Chromosome = 1 Strand = negative ConnectronObjectNumber = 112

<400>	3						
aatcaccaaa	gtctacatat	tcgtcttcat	cattaccacc	tgttaccagt	gcaacaacaa		60
gtcaggaaat	tactttctca	ttaccacctg	ttaccactac	aaaaacgagc	gaacaaacca		120
ctttgggttac	cgtgacatcc	tgcgaaatcc	atgtgtgcac	tgaatc			166

<210> 4
 <211> 37
 <212> DNA
 <213> Escherichia coli K-12 MG1655 complete genome.

<220>
 <222> (4626130)...(4626166)

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<223>      Chromosome = 1  Strand = positive  ConnectronObjectNumber = 4651a
```

<400> 4
tctgatgaca aacgccaaac tgccctgatgc gctacgc 37

```
<210>          5
<211>          54
<212>          DNA
<213>          Escherichia coli K-12 MG1655 complete genome.
```

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<220>
<222>         (705150)...(705203)
<223>         Chromosome = 1  Strand = negative  ConnectronObjectNumber = 811a
```

<400>	5						
tctgatgaca	aacgccaaac	tgctgatgac	gctacgctta	tcaggcctac	gcag		54

```
<210>          6
<211>          36
<212>          DNA
<213>          Escherichia coli K-12 MG1655 complete genome.
```

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<220>
<222>         (757718)...(757753)
<223>         Chromosome = 1   Strand = negative   ConnectronObjectNumber = 975
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<400> 6
ttacgcctga tgcgctgcgc ttatcaggcc tacggg 36

```
<210>          7
<211>          37
<212>          DNA
<213>          Escherichia coli K-12 MG1655 complete genome.
```

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<220>
<222>         (4626130)...(4626166)
<223>         Chromosome = 1  Strand = positive  ConnectronObjectNumber = 4651a
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<400> 7
tctgatgaca aacgccaac tgctgatgc gctacgc 37

```
<210>          8
<211>          54
<212>          DNA
<213>          Escherichia coli K-12 MG1655 complete genome.
```

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<220>
<222>         (698713)...(698766)
<223>         Chromosome = 1 Strand = negative ConnectronObjectNumber = 809
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<400>	8						
tctgatgaca	aacgccaaac	tgccctgatgc	gctacgctta	tcaggcctac	gcag		54

```
<210>          9
<211>         36
<212>        DNA
<213>    Escherichia coli K-12 MG1655 complete genome.
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<220>
<222> (757718) ... (757753)
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<223>      Chromosome = 1  Strand = negative  ConnectronObjectNumber = 975

<400>      9
ttacgcctga  tgcgctgcgc  ttatcaggcc  tacggg      36

<210>      10

<211>      16
<212>      DNA
<213>      Saccharomyces cerevisiae complete genome - problem.

<220>
<222>      (221330)...(221345)
<223>      Chromosome = 2  Strand = positive  ConnectronObjectNumber = 792a

<400>      10
tatatatatg  tcactg      16

<210>      11

<211>      16
<212>      DNA
<213>      Saccharomyces cerevisiae complete genome - problem.

<220>
<222>      (221346)...(221361)
<223>      Chromosome = 2  Strand = positive  ConnectronObjectNumber = 793

<400>      11
tattgcatgc  tggatg      16

<210>      12

<211>      539
<212>      DNA
<213>      Saccharomyces cerevisiae complete genome - problem.

<220>
<222>      (448454)...(448992)
<223>      Chromosome = 5  Strand = positive  ConnectronObjectNumber = 4749

<400>      12
tatatatatg  tcactgtatt  gcatgctgga  tgggtgtaga  caaggccgta  gggacatata      60
gcatctagga  agtaaccttg  tacgaaaata  ggcaatattt  cctgtttagg  cgattgtgac      120
gcagatttta  gtccaacgat  ctacgcgtca  ggaatttttt  tatagtggga  cattgcacca      180
aggaagtaac  ttgatacgtc  gtgggtgaat  gggctctgtt  tcttatccgg  cggggtaata      240
catttttggg  ggaagtttgt  ctgtctgacg  cgccatatgt  aggtacgcca  aaaagggtc      300
ctctacttcg  aagcgcgagg  tcgtatacct  aataaggaaa  tgtaatttat  aactttttat      360
tatattggtc  ttttcgagag  cggaacgtag  gtccatgttt  aaagtatcca  agagaatatc      420
cacgaagcgg  ctgagcaacg  aacagaatcc  tggttctcct  cgactaagca  gatagttaag      480
atactgtgca  ccatggaaat  tgaaaacgaa  agtacgtacc  gactacttta  tttttgcag      539

<210>      13

<211>      158
<212>      DNA
<213>      Saccharomyces cerevisiae complete genome - problem.

<220>
<222>      (24863)...(25028)
<223>      Chromosome = 5  Strand = negative  ConnectronObjectNumber = 4824a

<400>      13
tatatatatg  tcactgtatt  gcatgctgga  tgggtgtaga  caaggccgta  gggacatata      60
gcatctagga  agtaaccttg  tacgaaaata  ggcaatattt  cctgtttagg  cgattgtgac      120
gcagatttta  gtccaacgat  ctacgcgtca  ggaattttt      158

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<210>          14

<211>          134
<212>          DNA
<213>          Halobacterium sp. NRC-1 complete genome.

<220>
<222>          (732401)...(732534)
<223>          Chromosome = 1 Strand = positive ConnectronObjectNumber = 6612

<400>          14
ttcatcacag acgaggacga gcgcgcccaa gtgggggatcg gcacactcat cgtgttcac 60
gcgatgggtg tggtcgccgc gatcgccgcc gggtctctca tcaacactgc cggctacctc 120
caatccaagg ggctc 134

<210>          15

<211>          193
<212>          DNA
<213>          Halobacterium sp. NRC-1 complete genome.

<220>
<222>          (733018)...(733209)
<223>          Chromosome = 1 Strand = positive ConnectronObjectNumber = 6644a

<400>          15
gacgagcgcg gtcaagtggg gatcggcaca ctcatcgtgt tcatcgcgat ggtgctggtc 60
gccgcgatcg ccgccggcgt cctcatcaac accgccggct acctccaatc caagggggtcg 120
gcaaccgggtg aggaagcctc cgcacaggtc tccaaccgca tcaacatcgt ctccgcgtac 180
ggcaacgtca aca 193

<210>          16

<211>          85
<212>          DNA
<213>          Halobacterium sp. NRC-1 complete genome.

<220>
<222>          (773399)...(773483)
<223>          Chromosome = 1 Strand = positive ConnectronObjectNumber = 6852

<400>          16
gtgggggatcg gcacgctcat cgtgttcacg gcgatgggtg tggtcgccgc gatcgccgcc 60
gggtctctca tcaacactgc cggct 85

<210>          17

<211>          121
<212>          DNA
<213>          Pseudomonas aeruginosa PA01, complete genome.

<220>
<222>          (4832718)...(4832838)
<223>          Chromosome = 1 Strand = positive ConnectronObjectNumber = 53464

<400>          17
gccaacatcg aggcctcaa cagccgcacg gtgaacatcg gccagatcct cgaagtgatc 60
aagggcacat ccgagcagac caacctgctc gccctcaacg ccgccatcga agccgcgcgc 120
g 121

<210>          18

<211>          194
<212>          DNA
<213>          Pseudomonas aeruginosa PA01, complete genome.

<220>

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<222>      (4836528)...(4836720)
<223>      Chromosome = 1  Strand = positive  ConnectronObjectNumber = 53531

<400>      18
ggacggcaaaa caggtggtcg agcagaccat ccgcgcgatg aacgagcttt ccgagaagat      60
cagcgccctcc tgcgccaaca tcgaggccct caacagccgc acggtgaaca tcggccagat      120
cctcgaagtg  atcaagggca tctccgagca gaccaacctg ctcgccctca acgccgccat      180
cgaagccgcg  cgcg                                     194

<210>      19

<211>      169
<212>      DNA
<213>      Pseudomonas aeruginosa PA01, complete genome.

<220>
<222>      (4838678)...(4838846)
<223>      Chromosome = 1  Strand = positive  ConnectronObjectNumber = 53549a

<400>      19
accatccgcg  cgatgaacga gctttccgag aagatcagcg cctcctgcgc caacatcgag      60
gccctcaaca gccgcacggt gaacatcggc cagatcctcg aagtgatcaa gggcatctcc      120
gagcagacca acctgctcgc cctcaacgcc gccatcgaag ccgcgcgcg      169

<210>      20

<211>      36
<212>      DNA
<213>      Sequence Recognized by Synthetic DNA Binding Protein.

<220>

<400>      20
tccccatgag  catagatatg caggtaggcg gcaagt                                     36

<210>      21

<211>      136
<212>      DNA
<213>      Vibrio cholerae chromosome I, complete chromosome.

<220>
<222>      (952641)...(952777)
<223>      Chromosome = 1  Strand = negative  ConnectronObjectNumber = 607

<400>      21
tgtatatacc  caaactactt ggagttgcag gtaggcggca agtgagtgag tccccatgag      60
catagataga  ctatgtgatt ggggtgaacg aacgtagcca acaccgctgc agcttcaagt      120
aggaagggta  tacctt                                     136

<210>      22

<211>      117
<212>      DNA
<213>      Vibrio cholerae chromosome I, complete chromosome.

<220>
<222>      (1005810)...(1005926)
<223>      Chromosome = 1  Strand = negative  ConnectronObjectNumber = 646

<400>      22
taccaaaact  acttggagtt gcaggtaggc ggcaagagag tgaatcccca tcagcataga      60
cagactatgt  gattgggggtg aacgaacgta gccaataccg ctgcagcttc aagtagg      117

<210>      23

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<211>          36
<212>          DNA
<213>          Sequence Recognized by Synthetic PNA.

<220>

<400>          23
tccccatgag catagatatg caggtaggcg gcaagt          36

<210>          24

<211>          136
<212>          DNA
<213>          Vibrio cholerae chromosome I, complete chromosome.

<220>
<222>          (952641)...(952777)
<223>          Chromosome = 1 Strand = negative ConnectronObjectNumber = 607

<400>          24
tgtatatacc caaactactt ggagttgcag gtaggcggca agtgagtgag tccccatgag          60
catagataga ctatgtgatt ggggtgaacg aacgtagcca acaccgctgc agcttcaagt          120
aggaagggta tacctt          136

<210>          25

<211>          117
<212>          DNA
<213>          Vibrio cholerae chromosome I, complete chromosome.

<220>
<222>          (1005810)...(1005926)
<223>          Chromosome = 1 Strand = negative ConnectronObjectNumber = 646

<400>          25
taccaaaact acttggagtt gcaggtaggc ggcaagagag tgaatcccca tcagcataga          60
cagactatgt gattgggggtg aacgaacgta gccaataccg ctgcagcttc aagtagg          117

<210>          26

<211>          15
<212>          DNA
<213>          Sequence Recognized by Synthetic Linked Pair of DNA Binding Objects.

<220>

<400>          26
cccgacacaa cctgc          15

<210>          27

<211>          15
<212>          DNA
<213>          Sequence Recognized by Synthetic Linked Pair of DNA Binding Objects.

<220>

<400>          27
cccggggttc ccgag          15

<210>          28

<211>          64
<212>          DNA

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<213>      Aeropyrum pernix K1 complete genome.

<220>
<222>      (284008)...(284070)
<223>      Chromosome = 1  Strand = negative  ConnectronObjectNumber = 218

<400>      28
cccagccgtg cccgacacaa cctgccataa tttgttacat gaaggcacgg tttgggtgaa 60
cggc                                             64

<210>      29

<211>      163
<212>      DNA
<213>      Aeropyrum pernix K1 complete genome.

<220>
<222>      (326716)...(326878)
<223>      Chromosome = 1  Strand = negative  ConnectronObjectNumber = 295

<400>      29
ataaatctaa cccggtgacc cgggggttcc cgagggaagc ccccaggggc ttccgtaggc 60
ggccccgggg agaccgtgat gaaccagcc gtgcccagaca caacctgcta taatttgta 120
catgaaggca cggtttgggt gaacggctca taatcctctc gat 163

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